WYSE

# Wyse Thin OS

## Secure Simplicity for Thin Computing

The Wyse Thin OS is the most optimized solution for Citrix ICA (Presentation Server, Desktop Server, and Access Essentials), Microsoft RDP (Terminal Services), and VMware VDI environments. This ultra-thin operating system boots in seconds, automatically updates itself, and delivers the administrative simplicity that IT needs. And, with an unpublished API, Wyse Thin OS is one of the most secure operating systems on the market.

Wyse Thin OS is ideal for departments and organizations that need support for Citrix ICA, Microsoft RDP, or VMware VDI environments. It delivers a fast boot time, virus and malware immunity, and outstanding performance in a thin-computing environment.

Wyse Thin OS offers the utmost security and protection from viruses and malicious software because the operating system does not have a publicly exposed API that can be exploited by hackers. Also, since Wyse Thin OS centrally stores and manages all data and applications, desktop devices store no data, further protecting sensitive information. Image management is automated via DHCP and FTP, while Wyse Device Manager (formerly Rapport) handles additional remote device management.

Wyse Thin OS is designed and optimized for VMware Virtual Desktop Infrastructure (VDI) environments, adding awareness of and support for VDI-specific technologies, including connection brokers and secure HTTPS connections.

Wyse Thin OS requires a minimum of 32MB of RAM on any thin device. It is supported on the Wyse S10 and Wyse V10L thin clients.

**Sold and Supported by:**

| Features | Benefits |
|---|---|
| RDP and ICA session support via a straightforward connection manager | Choose one or both of the leading thin computing session access protocols |
| Multiple session support with true seamless windows | Increases user productivity by enabling multiple applications to run with a fully functional and familiar user interface |
| Significantly faster remote application execution performance than most thin clients | The ultra-thin and highly optimized Wyse Thin OS software achieves fast and responsive performance with modest low-cost hardware. Performance is typically up to 3x of other thin clients even those with more powerful microprocessors |
| Image loading via DHCP and ftp | Permits reconfiguration, firmware upgrades, and customized configurations either from an administration server or other desktops |
| Plug-and-play connectivity | Simple and fast to install, connect, and use out of the box |
| USB mass storage support | Plug and play support for USB keychain drives. Supports drive mapping in ICA and RDP sessions. |
| Data security and integrity | No data is stored on the thin client, so it cannot be lost or stolen |
| Integrated 10/100 Ethernet connectivity | Connect to high-speed networks |
| No fans or disks | No motors results in lower power consumption, quiet operation, and ultra-high reliability (very high MTBF) |
| Wyse Device Manager software | Remote management including configuration, device health, reboot, and more |
| Small and compact unit | Readily fits into most any workspace, as well as "out of the way" mounting options |
| Three-year Buyer's Protection Plan | Assurance of reliability, availability, and performance, from the #1 thin computing vendor |

## About Wyse Thin Computing

Because Wyse thin clients have no moving parts, they deliver greater reliability, availability, and lower cost of ownership than other solutions. With no local storage, malware is dealt with at the server level, where it's easier to detect. There is also no way to remove information, so sensitive data stays on the server and remains compliant with privacy regulations.

Today our software makes it easy to manage, update, and even service any thin client from one central location. Additionally with solid-state technology, Wyse thin clients are nine times more reliable than PCs because there are no moving parts. And even if a device does fail, the data remains instantly available on the server.

*Wyse S10 shown with horizontal standard feet*

*Wyse V10L shown with standard vertical feet*

### Wyse S10 Thin Client

The Wyse S10 is the smallest, most optimized thin client on the market. The functional and compact chassis has USB 2.0 plus serial ports, and fits unobtrusively on or under a desk, or can be easily mounted on a wall.

### Wyse V10L Thin Client

The Wyse V10L thin client offers integrated wireless and SmartCard options. A DVI-I connector allows for the connection of digital or analog monitors, or both via an optional splitter cable.

Hardware

| | Wyse S10 Thin Client | Wyse V10L Thin Client |
|---|---|---|
| Processor | AMD Geode GX 366Mhz | Via C7 Eden 800Mhz |
| Memory | 32MB flash/64MB RAM | 128MB flash/128MB RAM |
| I/O Peripheral Support | ▪ One serial port<br>▪ Four USB 2.0 ports (2 on front, 2 on back)<br>▪ USB keyboard with PS/2 port included<br>▪ PS/2 mouse included<br>▪ VGA-type video output (DB-15) | ▪ One serial port<br>▪ Two PS/2 ports<br>▪ One parallel port<br>▪ One DVI-I Port with VGA (Sub D - HD15) Adapter<br>▪ Three USB 2.0 ports (1 on front, 2 on back)<br>▪ USB keyboard with PS/2 port included<br>▪ PS/2 mouse included<br>▪ Dual-video Support with:<br>- Optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately) |
| Networking | ▪ 10/100 Base-T Fast Ethernet twisted pair (RJ-45) | ▪ 10/100 Base-T Fast Ethernet twisted pair (RJ-45) |
| Display Support | ▪ VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate<br>▪ 16-bit/64K colors up to:<br>- 1600x1200@85Hz<br>▪ 24-bit/16.7M colors up to:<br>1280x1024@85Hz | ▪ VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate<br>▪ Single Monitor at 32-bit color or 24-bit color up to:<br>- 1920x1200@60Hz<br>▪ Dual Monitors used simultaneously (with optional monitor splitter cable) up to:<br>- 1280x1024x32bpp@60Hz |
| Options | | ▪ Internal Smart Card reader<br>▪ Internal 802.11 b/g wireless solution |
| Audio | ▪ Output: 1/8-inch mini jack, 16-bit stereo, 48KHz sample rate<br>▪ Input: 1/8-inch mini jack, 8-bit mono microphone | ▪ Output: 1/8-inch mini, 16-bit stereo, 48KHz sample rate<br>▪ Input: 1/8-inch mini jack, 8-bit momo microphone |
| Physical Characteristics: Height<br>Width<br>Depth<br>Shipping Weight | 1.38 inches (34mm)<br>6.94 inches (177mm)<br>4.75 inches (121mm)<br>6 lbs. (2.7kg) | 7.9 inches (201mm)<br>1.8 inches (46mm)<br>7.1 inches (180mm)<br>8 lbs. (3.6kg) |
| Mountings | Horizontal feet, Optional vertical stand<br>Optional VESA mounting bracket<br>Built-in Kensington security slot (cable sold separately) | Vertical foot, Optional horizontal feet<br>Optional VESA mounting bracket<br>Built-in Kensington security slot (cable sold separately) |
| Power | Worldwide auto-sensing 100-240 VAC, 50/60 Hz<br>Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor:<br>5.6 Watts/hour | Worldwide auto-sensing 100-240 VAC, 50/60 Hz<br>Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor:<br>17.2 Watts/hour |
| Temperature Range | Horizontal and Vertical positions:<br>50° to 104° F (10° to 40° C) | Horizontal position: 50° to 95° F (10° to 35° C)<br>Vertical position: 50° to 104° F (10° to 40° C) |
| Humidity | 20% to 80% noncondensing | 20% to 80% noncondensing |

Hardware

| | | Wyse S10 Thin Client | Wyse V10L Thin Client |
|---|---|---|---|
| Regulatory Compliance: | Ergonomics<br>Safety<br>RF Interference<br>Environmental | German EKI-ITB 2000, ISO 9241-3/-8<br>cULus 60950, TÜV-GS, EN 60950<br>FCC Class B, CE, VCCI, C-Tick<br>RoHS Compliant | German EKI-ITB 2000, ISO 9241-3/-8<br>cULus 60950, TÜV-GS, EN 60950<br>FCC Class B, CE, VCCI, C-Tick<br>WEEE, RoHS Compliant |
| Warranty | | Three-year limited warranty | Three-year limited warranty |

Software

**Wyse Thin OS**

| | Features | Use/Benefit |
|---|---|---|
| **ICA** | Basic ICA features and functionality | ■ Maximum 1920x1200 resolution with 24-bit color depth<br>■ International keyboard support<br>■ Browsing (TCP/HTTP)<br>■ Disconnect & Reconnect<br>■ Encryption, up to 128 bit strength<br>■ Printer support<br>■ COM port support<br>■ Bidirectional audio (client to server is new)<br>■ Clipboard<br>■ Multi-farm support via PN Agent<br>■ Password expiration in PN Agent<br>■ Roaming user reconnect<br>■ International time zone support<br>■ Dual monitor session spanning |
| | ICA version-8 client compatibility with seamless windows | Provides access to Citrix Presentation Server with version-8 compatibility and functionality, enabling an end-user experience such that published applications have the same (seamless) appearance, operation, and desktop integration as do locally run applications |
| | SSL/TLS Encryption | Enables a secure connection between the Wyse Thin OS ICA client and a Citrix server. |
| | Secure Gateway Support via the Program Neighborhood Agent | Enables secure access from remote locations to any application hosted on Citrix Presentation Server. |
| | Browsing Acceleration | Faster downloading and faster scrolling of images within web pages, and hence a faster overall browsing experience by compressing image data transferred to the thin client |
| | Audio input (from the client to the server) | Ability to accept audio input and pass it to a server for processing |
| **RDP** | Support for network printers on a Microsoft LAN | Ability to print from the thin client to a printer connected onto a LAN |
| | Serial port mapping | Enables the use of a serial port attached to a thin client in a terminal services session |
| | Dual monitor session spanning | Ability to use a single RDP session spanning across two displays, when connected with the optional dual-monitor splitter cable. |
| | Enhanced responsiveness to end-user interactions with the system and with application software | Results in faster startup time and more responsiveness, especially when network bandwidth is limited (by disabling certain desktop options such as wallpaper and animations) |

## Software

| VDI | Features | Use/Benefit |
|---|---|---|
| | Support for industry-standard connection brokers | Ability to connect to server-based desktop virtual machines automatically via connection brokers from Citrix, VMware, and others. |
| | Support for secure HTTPS connection | Allows thin clients to connect through secure HTTPS links to server-based desktop virtual machines |
| **Other** | Support for USB Drives | Plug and play connectivity with USB keychain drives. Supports drive mapping in ICA and RDP sessions. |
| | Enhanced user interface for viewing and editing network settings and connection properties | End-users have a simple and easy way to view and edit their network settings and connection properties |
| | Support for touch screens from Elo, MicroTouch and FastPoint | Integrated driver support enabling touch screens to be connected to the thin client via serial port |
| | USB sync with Palm and IPAQ PDAs | Integrated driver support enabling Palm and PocketPC types of PDAs to be connected to the thin client and synced with the end-user's data, via the OneBridge sync for Palm PDAs and ActiveSync for PocketPCs |
| | Straightforward printer selection in either RDP or ICA sessions | Simple user interface that facilitates the selection of up to four printers found on a Microsoft network (all printers found are presented in a tree view) |
| | Wireless (Secure encryption and authentication) | Simplifies installation and deployment, reduces theft of wireless adapters |
| | Smart Card support | Provides security and ease to access network |

## Accesories

| | |
|---|---|
| **Wyse DV20 Dual VGA Adapter** | The Wyse DV20 Dual VGA adapter accepts a DVI-I input and produces two VGA outputs. The Wyse DV20 is the solution for customers who already have legacy analog displays and want to be able to experience the dual VGA multiple display function available on Wyse V class L thin clients. |


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